

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-239362

(43)Date of publication of application : 12.09.1995

(51)Int.Cl.

G01R 31/26  
B25J 15/06  
H01L 21/66  
H01L 21/68  
H05K 13/04

(21)Application number : 06-054585

(71)Applicant : ANDO ELECTRIC CO LTD

(22)Date of filing : 28.02.1994

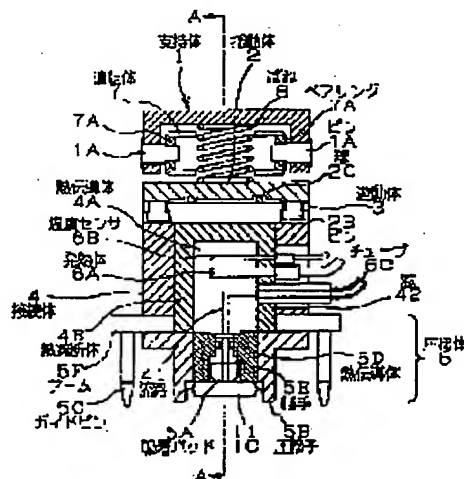
(72)Inventor : MITSUI HITOSHI

## (54) SUCTION HAND WITH FLOATING MECHANISM AND TRANSFERRING/ TOUCHING MECHANISM

## (57)Abstract:

PURPOSE: To provide a mechanism which easily connects an auto handler with a test head and accurately brings an IC into contact with an IC socket.

CONSTITUTION: A suction hand is constituted of a supporting body 1, a vibrating body 2, a free body 3, a connecting body 4 and a pressing body 5. The pressing body 5 is held in a floating state. The pressing body 5 is constituted of a suction pad 5A and a pressing element 5B in one unit by a guide pin 5C. The suction hand descends to an IC socket 21 while sucking an IC 11 by means of the suction pad 5A. When the guide pin 5C enters a guide 22, the IC 11 is correctly registered with the IC socket, and the pressing element 5B presses a lead of the IC 11 to bring it into contact with a contact element of the IC socket.



[Number of appeal against examiner's decision  
of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

**BEST AVAILABLE COPY**